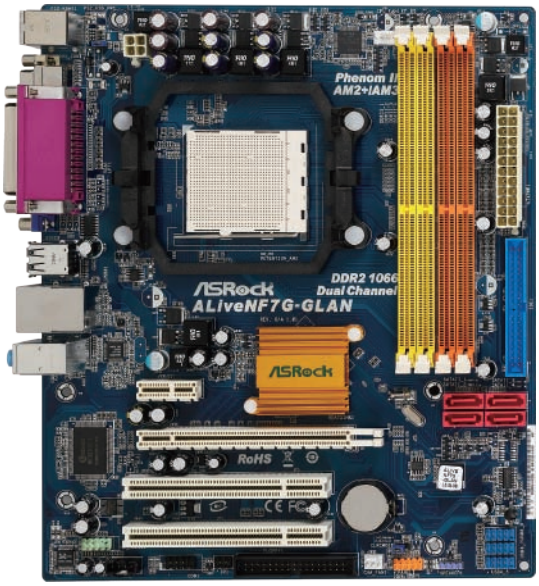
ALiveNF7G-GLAN

NVIDIA® GeForce 7050 / nForce 630A MCP

ASRock
www.asrock.com



Instant Boot

DDR2 1066

NVIDIA® GeForce 7 DX9.0, PS 3.0

Gigabit LAN

Dual VGA Output: DVI-D & D-Sub ports

Full HD 1080p Blu-ray (BD) / HD-DVD playback

Intelligent Energy Saver

Product Brief

- Supports for AM3 / socket AM2+ / AM2 processors
- Integrated NVIDIA® GeForce7 Series (NV44), DX9.0 VGA, Pixel Shader 3.0, Max. shared memory 256MB
- Dual VGA Output: DVI-D and D-Sub
- Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback
- Supports ASRock Instant Boot, Smart BIOS, ASRock OC Tuner, Intelligent Energy Saver

Detail Specification

Platform	- Micro ATX Form Factor: 9.6-in x 8.2-in, 24.4 cm x 20.8 cm
CPU	- Support for Socket AM2+ / AM2 processors: AMD Phenom™ FX / Phenom / Athlon 64 FX / Athlon 64 X2 Dual-Core / Athlon X2 Dual-Core / Athlon 64 / Sempron processor - Support for AM3 processors: AMD Phenom™ II X4 / X3 and Athlon II X4 / X3 / X2 processors - AMD LIVE!™ Ready - Supports AMD's Cool 'n' Quiet Technology - FSB 1000 MHz (2.0 GT/s) - Supports Untied Overclocking Technology - Supports Hyper-Transport Technology
Chipset	- NVIDIA® GeForce 7050 / nForce 630A MCP
Memory	- Dual Channel DDR2 memory technology - 4 x DDR2 DIMM slots - Supports DDR2 1066/800/667/533 non-ECC, un-buffered memory - Max. capacity of system memory: 16GB
Expansion Slot	- 1 x PCI Express x16 slot - 1 x PCI Express x1 slot - 2 x PCI slots
Graphics	- Integrated NVIDIA® GeForce7 Series (NV44) - DX9.0 VGA, Pixel Shader 3.0 - Max. shared memory 256MB - Dual VGA Output: support DVI-D and D-Sub ports by independent display controllers - Supports HDCP function with DVI-D port - Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback - NVIDIA® PureVideo™ Ready
Audio	- 5.1 CH Windows® Vista™ Premium Level HD Audio (Realtek ALC662 Audio Codec) - Chipset embedded HDMI Audio
LAN	- Gigabit LAN 10/100/1000 Mb/s - Giga PHY Realtek RTL8211CL - Supports Wake-On-LAN
Rear Panel I/O	ASRock 6CH_DVI I/O - 1 x PS/2 Mouse Port - 1 x PS/2 Keyboard Port - 1 x VGA/D-Sub Port - 1 x VGA/DVI-D Port - 1 x Parallel Port (ECP/EPP Support) - 4 x Ready-to-Use USB 2.0 Ports - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jack: Line in / Front Speaker / Microphone
Connector	- 4 x Serial ATAII 3.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 0+1, RAID 5, JBOD), NCQ, AHCI and "Hot Plug" functions - 1 x ATA133 IDE connector (supports 2 x IDE devices) - 1 x Floppy connector - 1 x IR header - 1 x COM Port header - CPU/Chassis FAN connector - 24 pin ATX power connector - 4 pin 12V power connector - CD in header - Front panel audio connector - 3 x USB 2.0 headers (support 6 USB 2.0 ports)
BIOS Feature	- 4Mb AMI BIOS - AMI Legal BIOS - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - Supports jumperfree - SMBIOS 2.3.1 Support - Supports Smart BIOS
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version)

Unique Feature	- ASRock OC Tuner
	- Intelligent Energy Saver
	- Instant Boot
	- Hybrid Booster:
	  - CPU Frequency Stepless Control
	  - ASRock U-COP
	  - Boot Failure Guard (B.F.G.)
	  - ASRock AM2 Boost: ASRock Patented Technology to boost memory performance up to 12.5%

Hardware Monitor	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU Fan Tachometer - Chassis Fan Tachometer - CPU Quiet Fan - Voltage Monitoring: +12V, +5V, +3.3V, Vcore
OS	- Microsoft® Windows® XP / XP Media Center / XP 64-bit / Vista™ / Vista™ 64-bit compliant
Certifications	- FCC, CE, WHQL
Accessories	- Quick Installation Guide, Support CD, I/O Shield - ATA 133 cable - 1 x SATA data cable (optional) - 1 x SATA 1 to 1 power cable (optional)

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.

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ASRock Instant Boot

ASRock Instant Boot is a new feature invented exclusively by ASRock. It can boot up system in an amazing speed, which is 10 times faster than traditional boot up. For home users or office PC users, ASRock Instant Boot can also guarantee a clean Windows OS, and consumed less power! For details:
http://www.asrock.com/feature/InstantBoot/index.asp

* This function is applicable ONLY to single user that does not secure ID and Password to their systems.
* The boot up time depends on the hardware configuration.

Instant Boot Interface

This function is designed with two main options:

- **Enable Instant Boot**

  Fast Mode: It takes only 3 to 4 seconds to boot up the system. You may start using your computer, running Office, browsing internet and even MSN instantly.

  Regular Mode: It only takes half of the traditional boot-up time to start the system. The boot up experience is safe and fast.

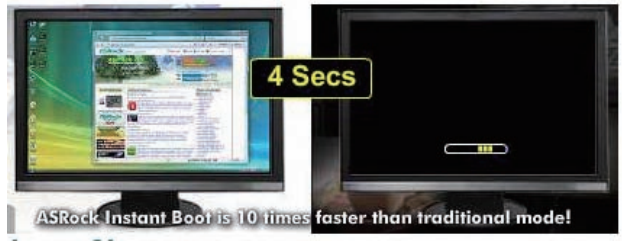
- **Disable Instant Boot**

  Instant Boot can also be disabled when you do not want to use this application.

  Note: The actual boot up time is subject to the different models and configurations.

10 Times Faster, Only 4 Secs to Boot Up to Windows!

ASRock YouTube
http://tw.youtube.com/watch?v=BucIjXZVxXo



Pro and Cons of various shut down modes

From this sum up table, we can find that ASRock Instant Boot not only excels in the Boot Up speed (3~4 sec.), it also provides clean OS and saves the most power energy.

	No Shut Down	Traditional boot up	S3	S4	Instant Boot	
					Fast Mode	Regular Mode
Boot Up Time	Best	Worse 50~60 sec	Best 3~4 sec.	Good 20~22 sec.	Best 3~4 sec.	Good 20~22 sec.
Cleanliness of OS	Fair Accumulated garbage data	Best Clean	Fair Accumulated garbage data	Fair Accumulated garbage data	Best Clean	Best Clean
Power Consumption (Light loading)	Worse 60W~-100W	Best 1W~3W	Best 1W~3W	Best 1W~3W	Best 1W~3W	Best 1W~3W

Best Good Fair Worse